### CARDINAL PLACE

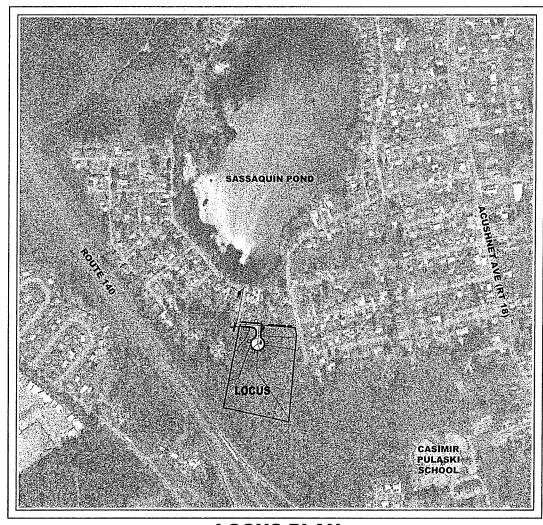
## DEFINITIVE PLAN FOR A RESIDENTIAL SUBDIVISION CARDINAL STREET & AVA'S WAY, NEW BEDFORD, MASSACHUSETTS

#### **OWNERS:**

THOMAS GRENIER
560 ROCKDALE AVE.
NEW BEDFORD, MASSACHUSETTS

#### APPLICANT:

RICHARD HOPPS 302 ELM STREET DARTMOUTH, MASSACHUSETTS



LOCUS PLAN SCALE: 1"=300'±

## \*\*

**APRIL 22, 2013**REVISED FEBRUARY 27, 2014

#### **SCHEDULE OF DRAWINGS**

SHEET NUMBER	PLAN TITLE
CS1 DF1 EX1 GD1 UT1 RP1 DE1-2 LP1 FR1-2	COVER SHEET DEFINITIVE LOTTING SHEET EXISTING CONDITIONS PLAN GRADING AND DRAINAGE PLAN UTILITY PLAN ROAD PLAN AND PROFILE DETAIL SHEET LANDSCAPE AND LIGHTING PLAN EROSION CONTROL PLANS

PREPARED BY:

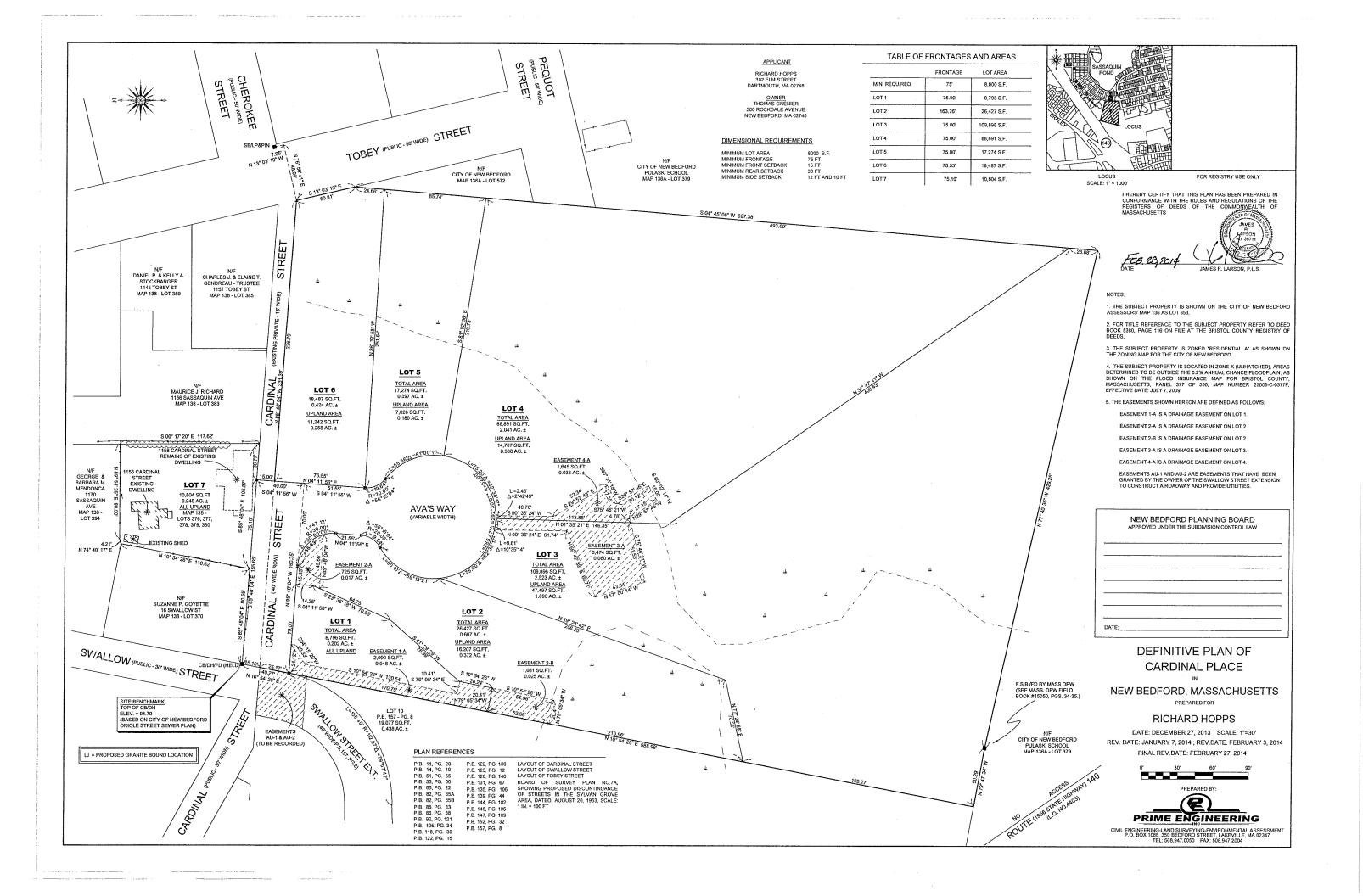


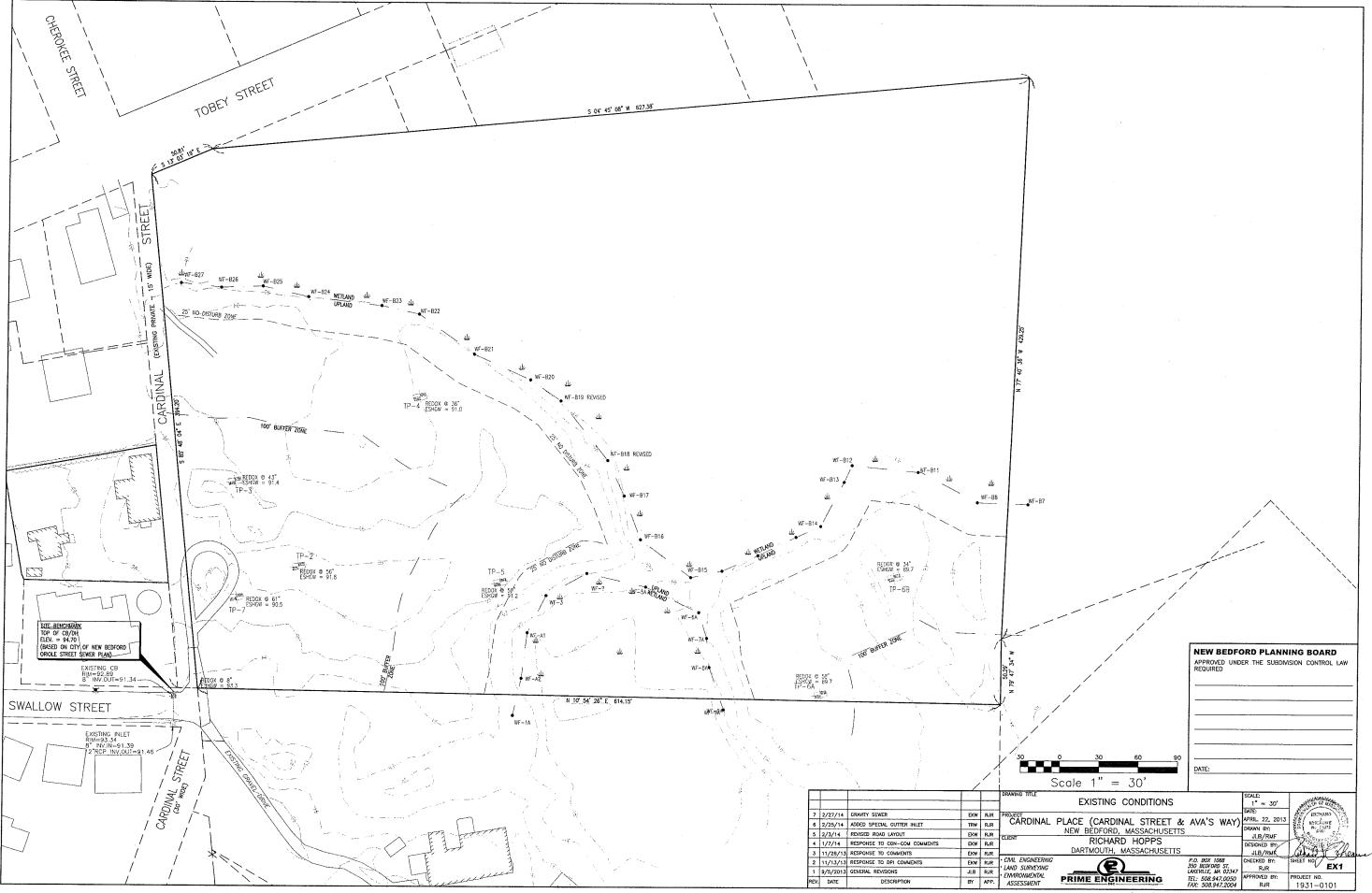
CIVIL ENGINEERING—LAND SURVEYING—ENVIRONMENTAL ASSESSMENT P.O. BOX 1088, 350 BEDFORD STREET, LAKEVILLE, MA 02347 TEL: 508.947.0050 FAX: 508.947.2004

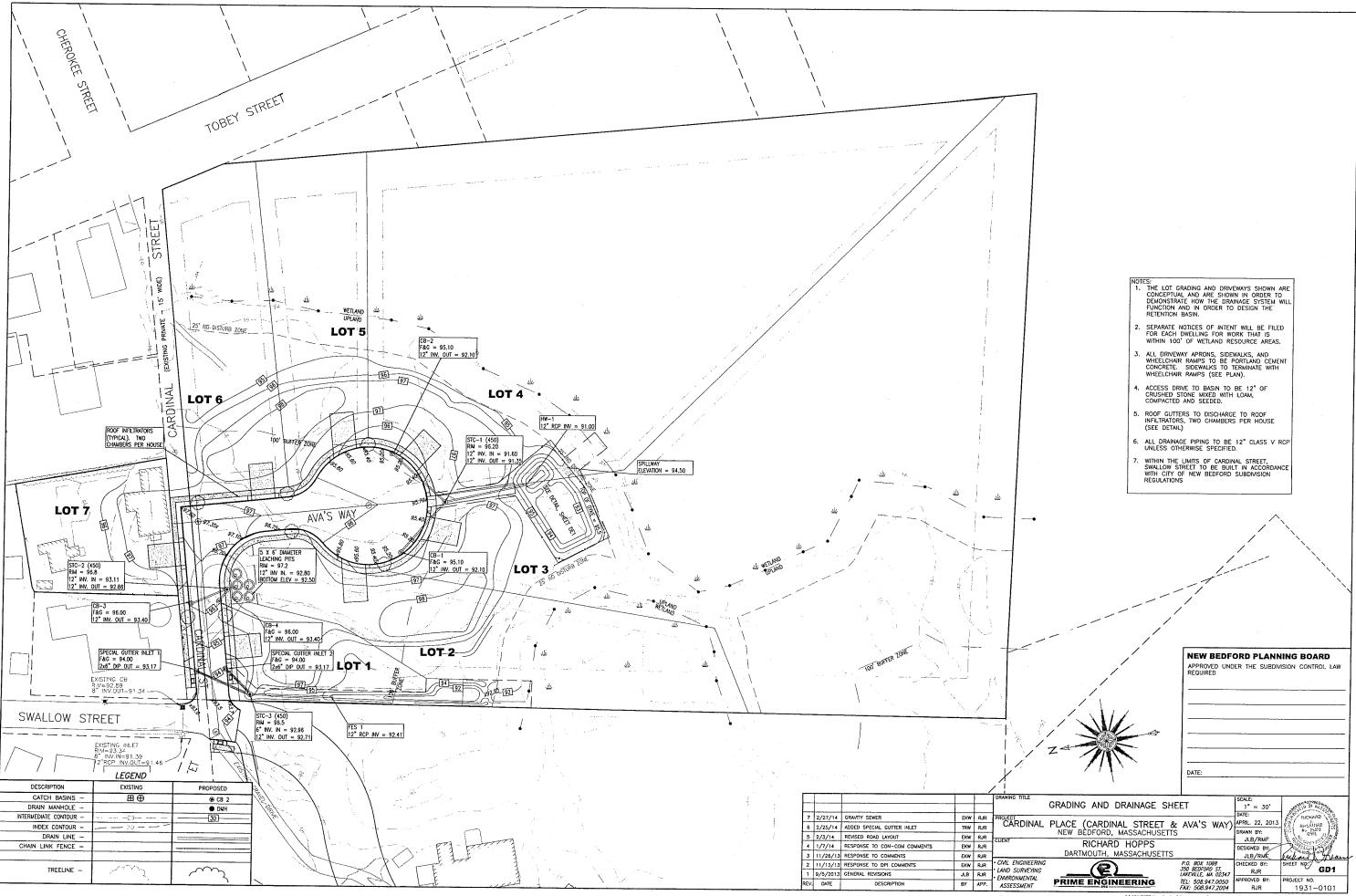
#### **REQUESTED WAIVERS:**

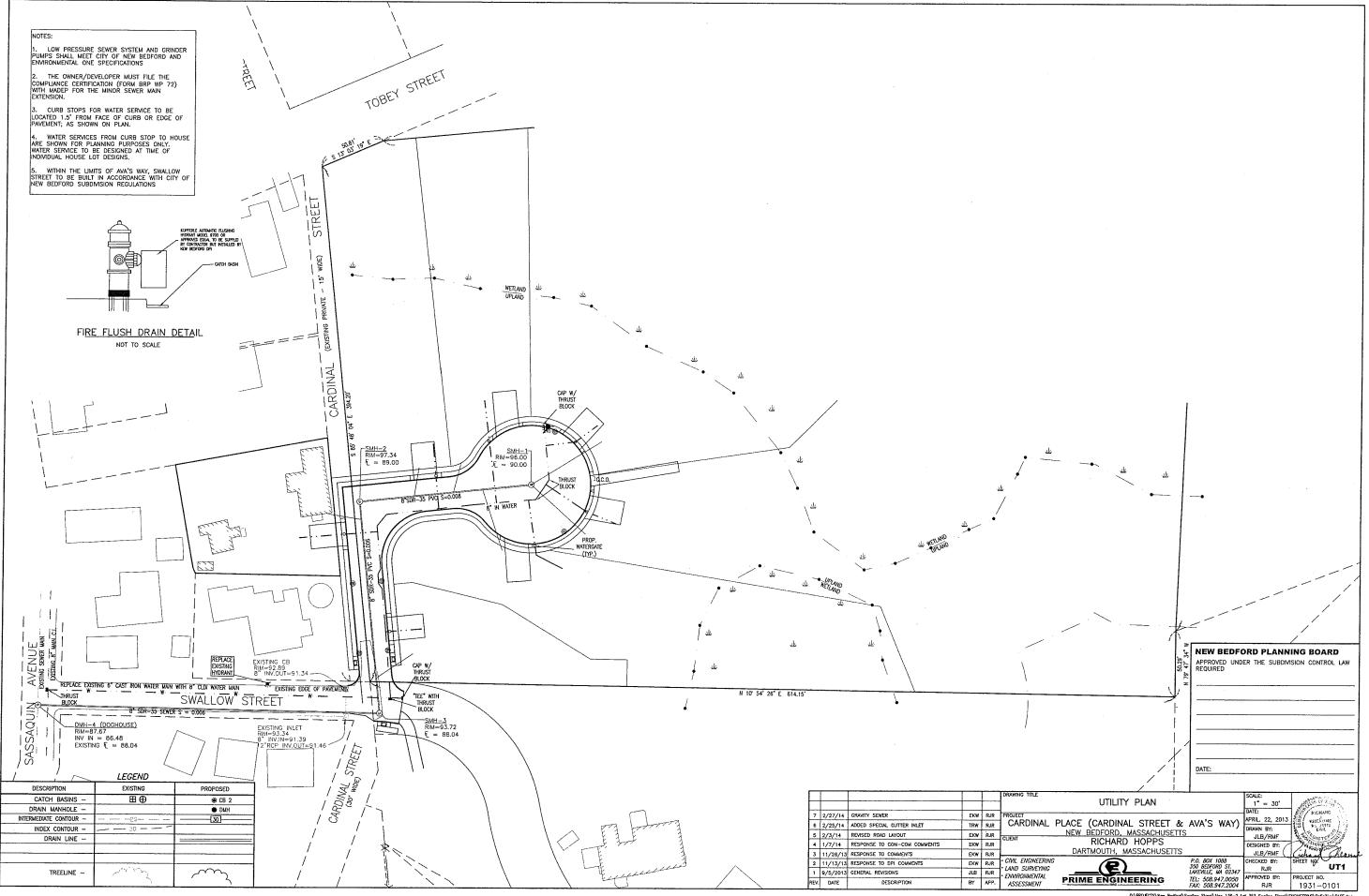
THE FOLLOWING WAIVERS ARE HEREBY REQUESTED:

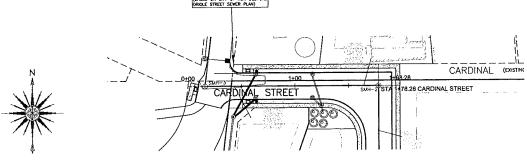
- 1. A WAIVER TO ELIMINATE THE CUL-DE-SAC ISLAND.
- 3. A WAIVER TO ALLOW FOR A 24' PAVEMENT WIDTH.

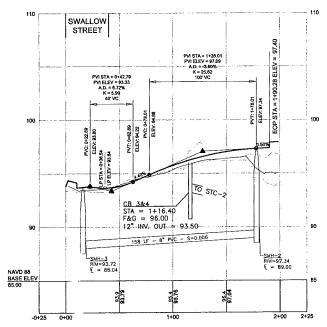






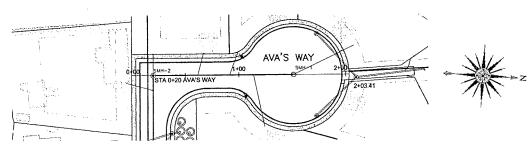


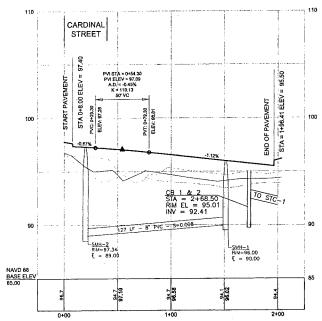




#### CARDINAL STREET PLAN AND PROFILE

SCALES: 1" = 40' HOR 1" = 4' VER

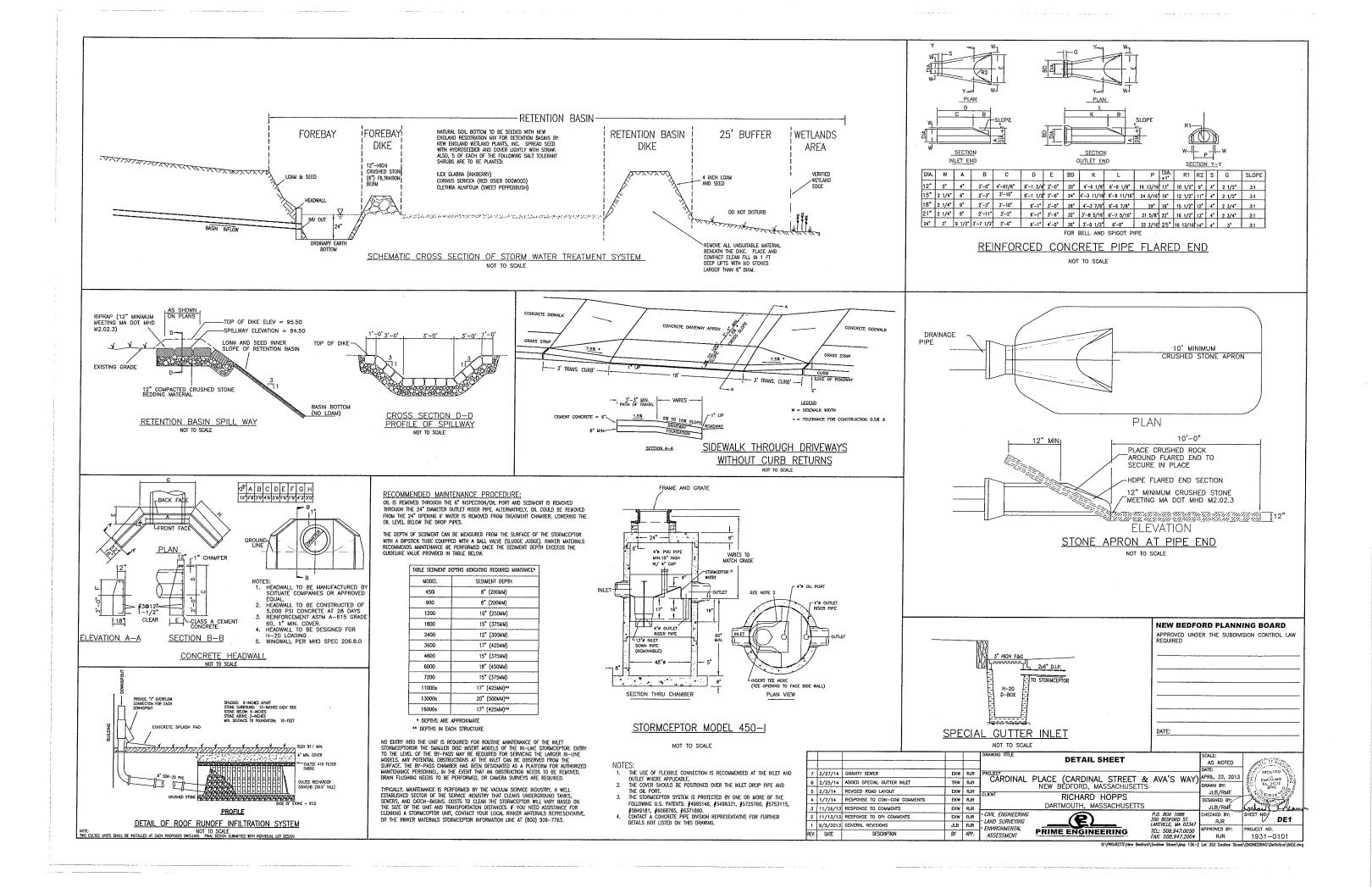


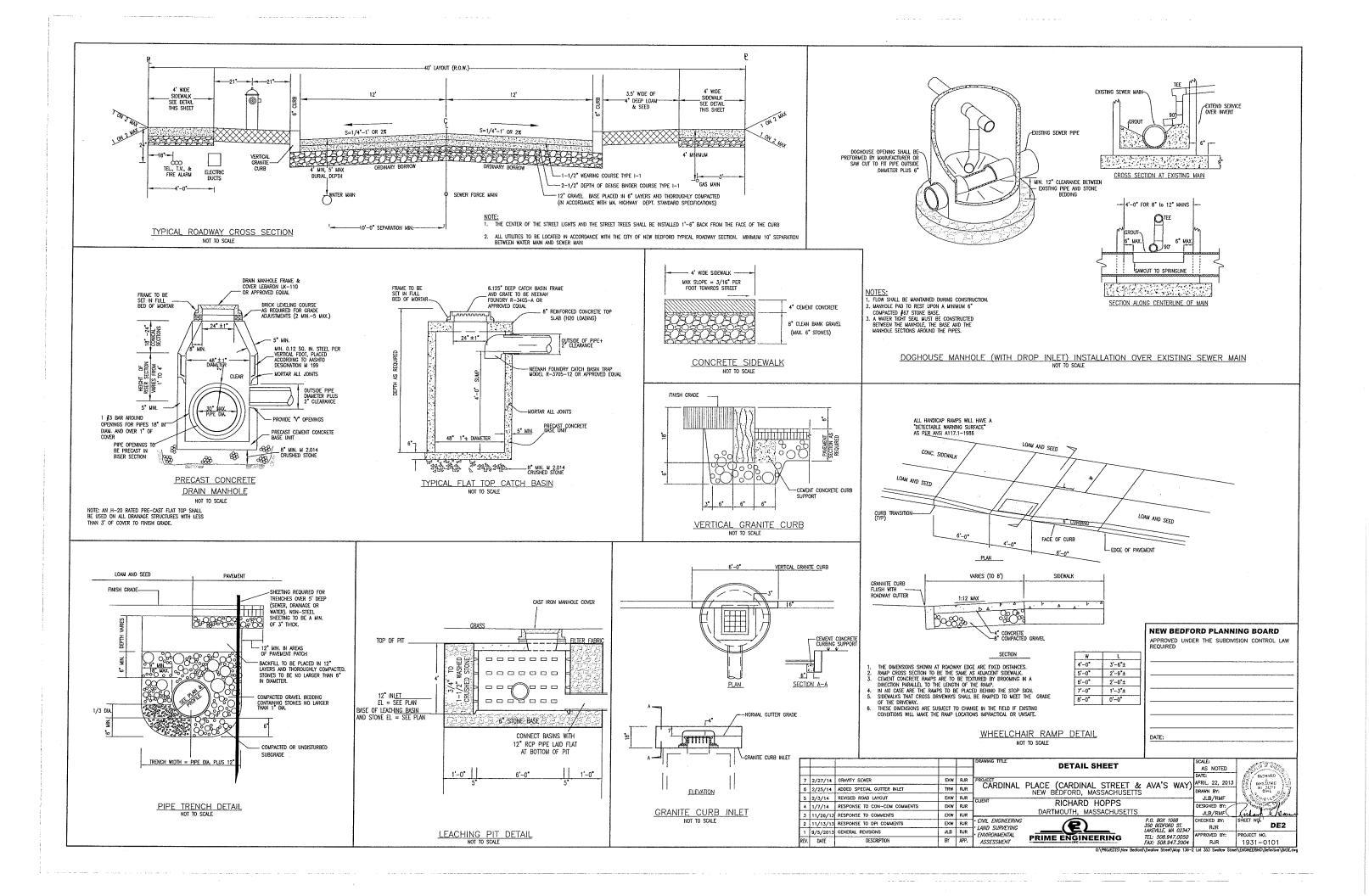


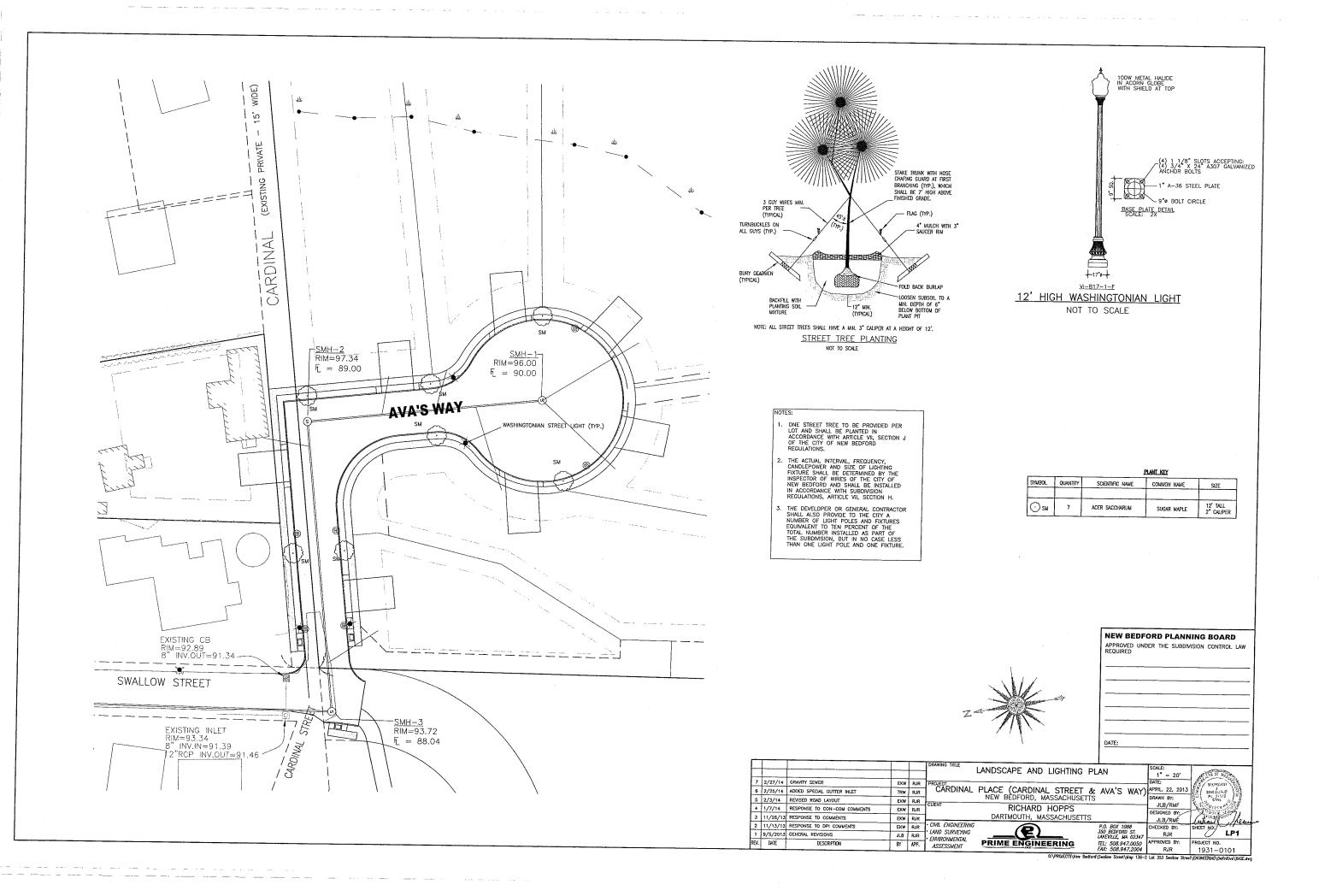
#### AVA'S WAY PLAN AND PROFILE

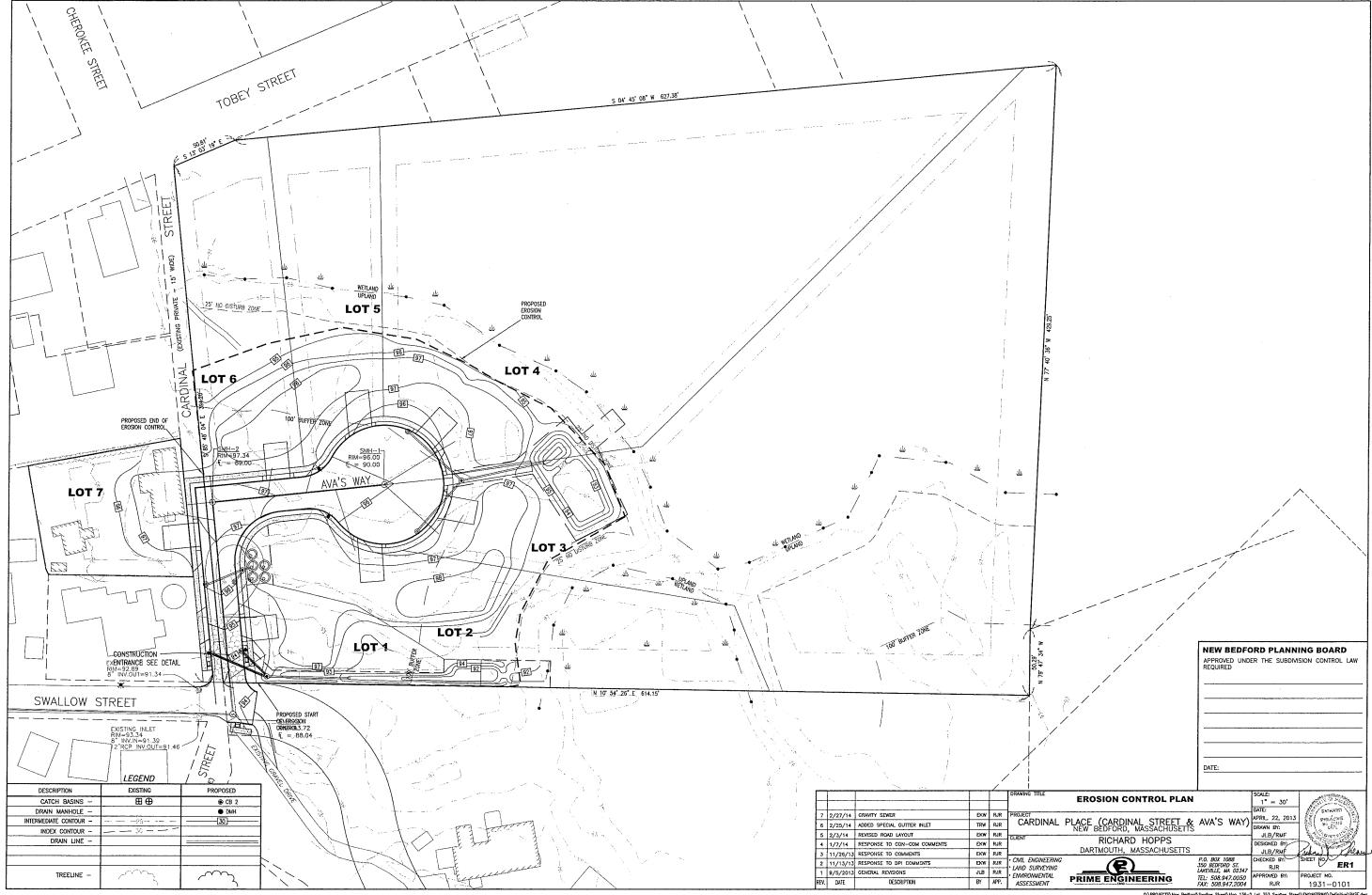
SCALES: 1" = 40' HOR 1" = 4' VER

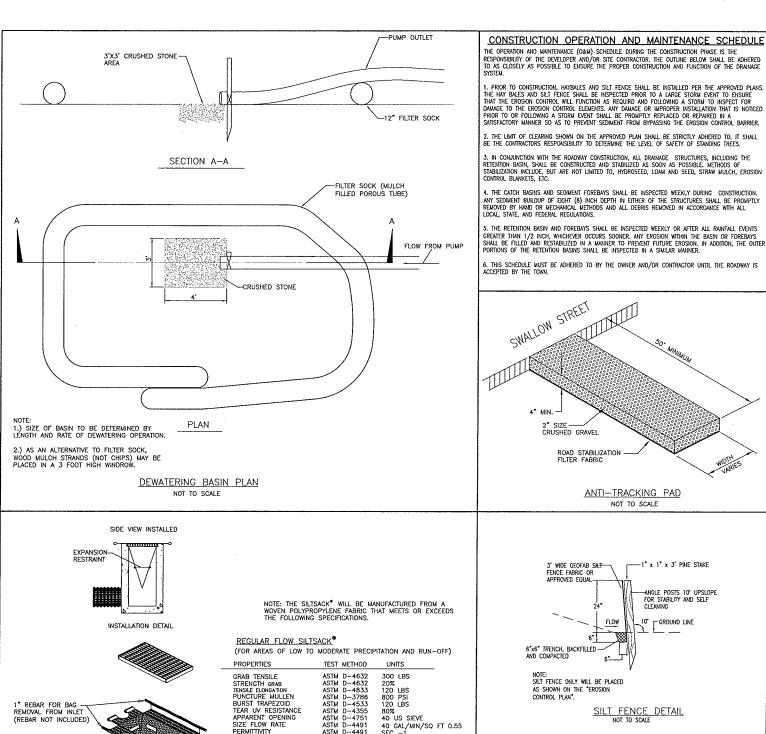
					DRAWING TITLE	ROADWAY PLAN AND PROFIL	E	SCALE: AS NOTED DATE:	HICHARD
7	2/27/14	GRAVITY SEWER	EKW	RJR	PROJECT	PLACE (CARDINAL STREET &	AVA'S WAY)	APRIL 22, 2013	HICHARD
5	2/25/14	ADDED SPECIAL GUTTER INLET	TRW	RJR	CARDINAL	NEW BEDFORD, MASSACHUSETTS	A 17 11/	10.00	43 No. 23373
5	2/3/14	REVISED ROAD LAYOUT	EKW	RJR	CUENT	RICHARD HOPPS		JLB/RMF	\$ 000 TE P 5 7
4	1/7/14	RESPONSE TO CON-COM COMMENTS	EKW	RJR		DARTMOUTH, MASSACHUSETTS		DESIGNED BY:	
3	11/26/13	RESPONSE TO COMMENTS	EKW	RJR			P.O. BOX 1088	CHECKED BY:	SHEET NO.
2	10/29/13	RESPONSE TO DPI COMMENTS	EKW	RJR	· CIVIL ENGINEERING · LAND SURVEYING	<b>(2)</b>	350 BEDFORD ST.	RJR	RP1
1	9/5/2013	GENERAL REVISIONS	JLB	RJR	• ENVIRONMENTAL	PRIME ENGINEERING	TEL: 508.947.0050	APPROVED BY:	PROJECT NO.
REV.	DATE	DESCRIPTION	BY	APP,	ASSESSMENT	- INC	FAX: 508.947.2004	RJR	1931-0101
						O:\PROJECTS\New Bedford\Swallow Street\Map 13	6-2 Lot 353 Swallow	Street\ENGINEERING	\Definitive\Plan_and_prof.dwg

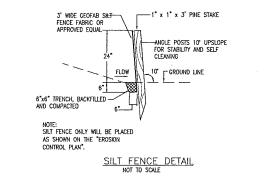


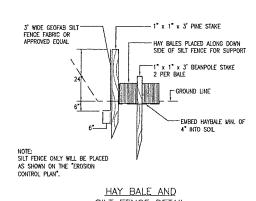












#### **EROSION & SEDIMENT CONTROL NOTES:**

IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTROL EROSION AND PREVENT SEDMENTATION WITHIN THE 25' NO DISTURB ZONE OR OFFSTE PROPERTIES. IT IS INTERDED THAT THE INPLEMENTATION OF THE FOLLOWING MEASURES WILL MEET THIS COAL. WHEN IT IS CLEAR TO THE DESCRIER THAT EROSION AND SEDMENTATION HAVE BEEN ADEQUATELY CONTROLLED WITHOUT THE INPLEMENTATION OF EVERY MEASURE, ADMITIONAL MEASURES REED NOT BE INPLEMENTED. ALTERNATIVELY, IF ALL OF THE FOLLOWING MEASURES HAVE BEEN IMPLEMENTED AND THE CONTROL OF EROSION AND SEDMENTATION IS INADEQUATE, THE CONTRACTOR MUST EMPLOY SUFFICIENT SUPPLEMENTAL MEASURES BEYOND THE SCOPE OF THIS PLAN.

1. EROSION AND SEDIMENT CONTROL MEASURES WILL BE INSTALLED PRIOR TO STUMP REMOVAL AND CONSTRUCTION. STABILIZATION OF ALL REGRADED AND SOIL STOCKPILE AREAS WILL BE INITIATED AND MAINTAINED DURING ALL PHASES OF

2. ALL EROSION AND SEDIMENT CONTROL MEASURES WILL BE CONSTRUCTED IN ACCORDANCE WITH LOCAL MUNICIPAL REGULATIONS, ALL EROSION CONTROL MEASURES ARE TO BE MAINTAINED AND UPGRADED AS REQUIRED TO ACHIEVE PROPER SEDIMENT CONTROL DURING CONSTRUCTION. A STAKED HAYBALE DAM SHALL BE INSTALLED DOWN GRADIENT OF ALL DRAINAGE OUTFALLS.

3. ADDITIONAL CONTROL MEASURES WILL BE INSTALLED DURING THE CONSTRUCTION PERIOD, IF DEEMED NECESSARY BY THE OWNER OR AGENTS OF THE OWNER.

4. CATCH BASINS WILL BE PROTECTED WITH HAYBALE FILTERS THROUGHOUT THE CONSTRUCTION PERIOD UNTIL ALL DISTURBED AREAS ARE THOROUGHLY STABILIZED. SILT SOCKS SHOULD BE INSTALLED UNDER GRATE OPENING UNTIL PAVEMENT IS IN PLACE AND GROUND SURFACE IS STABILIZED.

5. SEEDING MIXTURE FOR FINISHED GRASSED AREAS WILL BE AS FOLLOWS:

KENTUCKY BLUE GRASS CREEPING RED FESCUE PERENNIAL RYEGRASS

SEED TO BE APPLIED AT A RATE OF 4 LBS./1000 SQ. FT.
PLANTING SEASONS SHALL BE APRIL 1 TO JUNE 1 AND AUGUST 1 TO OCTOBER 15. AFTER OCTOBER 15, AREAS WILL BE STABILIZED WITH HAYBALE CHECK, FILTER FABRIC, OR WOODCHIP MULCH, AS REQUIRED, TO CONTROL EROSION.

6. AREAS THAT ARE NOT THE LOCATION OF ACTIVE CONSTRUCTION WHICH ARE TO BE LEFT BARE FOR OVER ONE MONTH BEFORE FINISHED GRADING AND SEEDING IS ACHIEVED, SHALL BE MULCHED OR RECEIVE TEMPORARY STABILIZATION SUCH AS JUTE NETTING OR SHALL RECEIVE A TEMPORARY SEEDING OF PERENNAL RECEIVES APPLIED AS SEEDEBED PREPARATION AT A RATE OF 50 LBS./1,000 SO. FT. LIMETSTORE (EQUIVALENT TO BE 50 PERCENT CALCIUM PLUS MAGNESIUM OXIDE) SHALL BE APPLIED AS SERBEDED PREPARATION AT A RATE OF 50 LBS./1,000 SO. FT. LIMETS SEASONS SHALL BE APPLIED AS SHALL RECEIVE AN AIR—DRIED WOOD CHIP MULCH, FREE OF COARSE MATTER.

7. AT ALL PROPOSED FILL AREAS WHICH ARE NOT CURRENTLY SHOWN ON THESE PLANS, THE CONTRACTOR SHALL ESTABLISH AN EROSON CONTROL LINE (HAYBALE CHECK OR FILTER FABRIC) ABOUT TEN (10") FEET FROM TOE TO SLOPE OF PROPOSED FILL AREAS PRIOR TO BEGINNING FILL INSTALLATION. STABILIZATION OF SLOPES IN FILL AREAS (USING MULCH OR GRASS) SHALL BE INITIATED WITHIN THIRTY (30) DAYS OF COMMENCEMENT OF FILL INSTALLATION.

8. STABILIZATION OF SLOPES IN CUT AREAS (USING MULCH OR GRASS) AND THE INSTALLATION OF CONTROL LINE (HAYBALE CHECK OR FILTER FABRIC) AT THE TOE OF SLOPE SHALL BE INITIATED WITHIN THIRTY (30) DAYS OF COMPLETION.

9. SEDIMENT REMOVED FROM CONTROL STRUCTURES WILL BE DISPOSED IN A MANNER WHICH IS CONSISTENT WITH THE INTENT OF THE PLAN. ALL HAYBALES OR SILT FENCE RETAINING SEDIMENT OVER 1/2 THEIR HEIGHT SHALL HAVE THE SEDIMENT REMOVED AND ALL DAMAGED EROSION CONTROLS SHALL BE REPAIRED OR REPLACED.

10. CONTRACTOR WILL BE ASSIGNED THE RESPONSIBILITY FOR IMPLEMENTING THIS EROSION AND SEDMENT CONTROL PLAN, THIS RESPONSIBILITY INCLUDES THE INSTALLATION AND MANTENANCE OF CONTROL MEASURES, INFORMING ALL PARTIES ENGAGED ON THE CONSTRUCTION SITE OF THE REQUIREMENTS AND OBJECTIVES OF THE PLAN, AND NOTIFYING THE ROCHESTER PLANNING BOARD OF ANY TRANSFER OF THIS RESPONSIBILITY. THE OWNER SHALL BE RESPONSIBLE FOR CONVEYING A COPY OF THE EROSION AND SEDMENT CONTROL PLAN IF THE TITLE TO THE LAND IS TRANSFERRED.

11. THE CONTRACTOR SHALL SECURE THE SERVICES OF A PROFESSIONAL ENGINEER, WHO SHALL VERIFY IN THE FIELD THAT THE CONTROLS REQUIRED BY THIS PLAN ARE PROPERLY INSTALLED, SHALL MAKE INSPECTION OF SUCH FACILITIES NOT LESS FREQUENTLY THAN EVERY 14 DAYS OR AFTER A RAINFALL IN EXCESS OF 1/2 INCH, WHICHEVER OCCURS FIRST. THE INSPECTION REPORTS SHALL BE SUBMITTED TO THE PLANNING DEPARTMENT AND CONSERVATION COMMISSION OFFICE ON A MONTHLY BASIS.

12. STOCKPILES OF SOIL SHALL BE SURROUNDED BY A SEDIVENT BARRIER. SOIL STOCKPILES TO BE LEFT BARE FOR MORE THAN THIRTY (30) DAYS SHALL BE STABILIZED WITH TEMPORARY VEGETATION OR MULCH. IF SOIL STOCKPILES ARE TO REMAIN FOR MORE THAN SIXTY (60) DAYS, FILTER FABRIC SHALL BE USED IN PLACE OF HAYBALES. SIDE SLOPES SHALL NOT EXCEED 2:1.

13. THE CONTRACTOR SHALL BE RESPONSIBLE TO CONTROL DUST AND WHID EROSON THROUGHOUT THE LIFE OF HIS CONTRACT. DUST CONTROL SHALL INCLUDE, BUT IS NOT LIMITED TO SPRINKLING OF WATER ON EXPOSED SOILS AND HAUL ROADS. CONTRACTOR SHALL CONTROL DUST TO PREVENT A HAZARD TO TRAFFIC.

14. IF FINAL GRADING IS TO BE DELAYED FOR MORE THAN THIRTY (30) DAYS AFTER LAND DISTURBANCES CEASE, TEMPORARY VEGETATION OR MULCH SHALL BE USED TO STABILIZE SOILS.

15. HAYBALES SHALL BE USED ONLY AS A TEMPORARY MEASURE. WHERE CONTROL MEASURES WILL BE REQUIRED FOR LONGER THAN SIXTY (60) DAYS, FILTER FABRIC SHALL BE USED.

16. WHERE DEWATERING IS NECESSARY, THERE SHALL NOT BE A DISCHARGE DIRECTLY INTO WETLANDS OR WATERCOURSES, PROPER METHODS AND DEVICES SHALL BE UTILIZED TO THE EXTENT PERMITTED BY LAW, SUCH AS PUMPING WATER INTO A TEMPORARY SEDIMENTATION BOWL, PROVIDING SURGE PROTECTION AT THE INLET AND THE OUTLET OF PUMPIS, OR FLOATING THE INTAKE OF THE PUMP, OR OTHER METHODS TO MINIMIZE AND RETAIN THE SUSPENDED SOLDS. IF A PUMPING OFFERTAIN IS CAUSING TURRIDITY PROPLEMS, SAID OFFERTAIN SHALL CEASE UNTIL SUCH TIME AS FEASIBLE MEANS OF CONTROLLING TURRIDITY ARE DETERMINED AND IMPLEMENTED. SAID DISCHARGE POINTS SHALL BE LOCATED OVER 100 FEET FROM THE DELINEATED WETLANDS AS INDICATED ON THIS PLAN.

# **NEW BEDFORD PLANNING BOARD** APPROVED UNDER THE SUBDIMISION CONTROL LAW REQUIRED

				1	DRAWING TITLE	OSION CONTROL DETAIL SH	EET	SCALE:	ALC THE SECOND
					]	COION CONTROL DETAIL OF		AS~NOTED DATE:	RICHARU N
7	2/27/14	GRAVITY SEWER	EXW	RJR	CARDINAL	PLACE (CARDINAL STREET &	AVA'C WAY	1	1 1/2/2 1 1/2/3
6	2/25/14	ADDED SPECIAL GUTTER INLET	TRW	RJR	CARDINAL	NEW BEDFORD, MASSACHUSETTS		DRAWN BY:	THE RHEADING THE TOTAL THE
5	2/3/14	REVISED ROAD LAYOUT	EKW	RJR	CUENT			JLB/RMF	1 61572 C
4	1/7/14	RESPONSE TO CON-COM COMMENTS	EKW	RJR	]	RICHARD HOPPS		DESIGNED BY:	D STORY
3	11/26/13	RESPONSE TO COMMENTS	EKW	RJR		DARTMOUTH, MASSACHUSETTS		JLB/RMF(	uka V X Mai
2	11/13/13	RESPONSE TO DPI COMMENTS	EKW	RJR	· CIVIL ENGINEERING		P.O. BOX 1088 350 BEDFORD ST.	CHECKED BY:	SHEET HO ER2
1	9/5/2013	CENERAL REVISIONS	JLB	RJR	· LAND SURVEYING · ENVIRONMENTAL		LAKEVILLE, MA 02347		PROJECT NO.
ŒV.	DATE	DESCRIPTION	BY	APP.	ASSESSMENT	PRIME ENGINEERING	TEL: 508.947.0050 FAY: 508.947.2004	R.JR	1031-0101

